Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/25/2021 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123758	-1	1.36	123624	1.36
Blue	F	SSC	125000	123852	-1	2.47	124073	2.28
Blue	E	FITC	13131	12666	-4	2.47	291	15.19
Blue	D	PE	24112	23709	-2	1.97	542	10.51
Blue	B	PerCP-Cy5-5	31295	30316	-4	3.22	1001	13.92
Blue	A	PE-Cy7	19939	19759	-1	5.23	528	28.77
Red	C	APC	42122	42123	0	2.73	1770	11.23
Red	A	APC-Cy7	22340	21816	-3	3.03	815	11.85
Violet	B	V450	7410	7045	-5	3.08	428	12.18
Violet	A	V500	28118	27035	-4	2.62	675	9.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22801	1.39	562	-7	N/A	N/A	Pass
Blue	F	SSC	57729	1.16	515	3	N/A	N/A	Pass
Blue	E	FITC	54	54.62	482	-5	0.0468	157	Pass
Blue	D	PE	115	36.61	485	-3	0.4944	382	Pass
Blue	B	PerCP-Cy5-5	186	36.22	580	-6	0.0231	172	Pass
Blue	A	PE-Cy7	106	65.23	624	-4	0.0222	0	Pass
Red	C	APC	409	24.04	578	2	0.0289	231	Pass
Red	A	APC-Cy7	183	27.86	552	1	0.0059	946	Pass
Violet	B	V450	61	62.82	458	5	0.0699	2684	Pass
Violet	A	V500	98	35.89	470	5	0.0255	1079	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-31.47	-31.37	1.03
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	14.70	13.60 - 20.40	N/A	N/A	29.87	29.96	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10228

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments